I st And Final Bill **M. A. R. 57 (Rule 116)** Work code - 005-19-000037

Measurement Book **No. B** Est cost Rs - 30.00

Serial No. ..... Drilling & Borewells providing Pump Motors and laying 198101 Lakhs

Name of Work ..... Pipeline in Ward From No. of Surrounding Area To Byatarayapura

Name of Contractor of nature of Agency ..... Malleswaram Sub division.

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Contractor - M/s Kranthi Electricals Sri. H.V. Nagaraj Thirumala Complex. D.V.K. Road. Bagepalli. 561207						
	Work order No - BBMP/EE/BTP/WO/60/2019.20.						
(1)	Geophysical investigation & Site for Sinking borewell for Supplying drinking Water to the habidation areas through the hand Pump MWS or PWS by Vertical electrical						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sounding by adopting werner or schlumbergers method including reconnaissance survey & geological formation & existing bore wells in vicinity its analysis and acceptability & users including the location & size recommended & casing pipe required to seal the top run consolidated formation including overburden depth & various zones formation for proper seating & casing pipe depth & required to cover such depth & danger zones passed to be tapped Pressure gradient and other information required including transportation & installment & accessories to carry the engaging technical personal and Labourers						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 498102

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

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ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
						4 Nos	
	Rate. 2025:40						8100:00
	Sinking of Borewell of 165 mm dia Clearising Super Sonic Hydraulic Rig of Capacity 250 PSI & and above 900 CMF as above in all Strata including overburden upto 20m Boring & Casing Pipes Coolens and Cap upto necessary Cussing Reaming and Welding including transportation & Rig and Supporting Vertical crew charges and Cap & Capping						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cost of concrete as per including steel reinforcing as per Serial deposit with minimum working of compressor per one hour (excluding cost of casing pipes cement concrete ..) 0.00 to 50.00 Mtr.						
	Rate · 329 : 00					200.00 Mtr	
(3)	50 to 100.00 Mtr					65800 : 00	(5)
	Rate · 430 : 00					200.00 Mtr	(6)
(W)	100 to 150 Mtr					86000 : 00	
	Rate · 478 : 00					200 : 00 Mtr	
						95600 : 00	

Serial
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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498403

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(5)	180 to 200 Mtr					200.00 MTr	
	Rate. 505:00						101000:00
(6)	200 to 250 MTr					200.00 MTr	
	Rate. 585:00						117000:00
(7)	250 to 300 MTr					200 MTr	
	Rate. 627:00						125400:00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(8)	300 to 370.00					277.00 Mtr	
	Rate · 649:00						179773:00
(9)	Supplying & ISI marked 175 mm nominal Bore medium grade ERW Casing Pipe 3.5 mm minimum cleamess thickness continuous welded mild steel tube manufactured conforming to IS 1387/1993 and manufactured from hot rolled steel sheet/strips in random length 6 M to 7 mtr from ends threaded conforming to IS 554/1985 and end (including Reducers).						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498404

No. .....

e of Work ..... From..... To.....

e of Contractor of nature of Agency .....

of commencement of work .....

e	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Rate. 1426:00					240.00 MW	342240:00
(10)	Providing and fixing 200 mm dia PVC pipe and as per specification and direction.					40.00 MW	47320:00
	Rate. 1183:00						
(11)	175 mm dia MS casing cap					4 Nos	428:00
	Rate. 107:00						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(12)	MS casing Pipe Collars C class.					36 NB	
	Rate. 181:00						5-79610
(13)	Fabricating Supplying and mounting Sunny weather proof MS Provision for Sensor Lead description plate MS hinged frame cover complete with tamper proof locking arrangements MS Sensor size Clamps with necessary Cage MS Flange and Base Flange complete coats of redoxide Primer Paints and finally two approved Colour enamelled metal Paints et-						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498105

No. .....

e of Work ..... From..... To.....

e of Contractor of nature of Agency .....

of commencement of work .....

	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Complete as per specification comprising 30 x 2 2160 sq cm.					8000.00 sq cm	
	Rate 0.35						30800.00
	Labour charges & erection & new / retained submersible pump sets along with GI Pipes (32/100 mm) cable new submersible pump sets & retained wire rope serviced by the departmental rate & cost of deleted pump sets shown & handed over to departments including transportation etc						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(Each length : 6.00 Mtr) ese. Compose.						
	Rate. 94 : 10					180 Nos	
							16920
(15)	Erection & Combined Panel board meter board						
	With all necessary material and labour including						
	providing CC 1:3:6 foundation bed ese.. Compose						
	Rate. 496 : 10					4 Nos	
(16)	Supplying and fixing 8 Porcelain fuse channel						1984
	With cubes on existing Wooden / Panel wiri						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498406

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Providing nuts Bolts and Washers etc - complete.						
	Rate. 158:40					12 Nos	1872:40
(17)	Supplying and laying & LTC cable having aluminium Conductor PVC insulated sheathed galvanised steel wire steel tape armoured cable with PVC oversheath 1.1 kV grade 4 Core 16 sqmm cable etc. complete as per & Specification item						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Rate · 177 : 10					120 MSV	
(18)	Digging & removing 0.6mm x 0.60MSV loose regrading the trench to the required grade level and consolidating etc. - Concrete surround Road Sentence.					120.00MSV	
	Rate · 59 : 10						
(19)	Supplying and fixing Class A GI Pipe on pole were drain crossing with necessary clamping arrange						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498107

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ontractor of nature of Agency .....

mmencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
for ret Cable Pose. 307+15	@ 1.1 RV Cable Comm ese.. complete.				12.00 Mtr	3684:40
3) Supplying and fixing wiring earth electrode Conductor cu cus cuss and other equipments on the meser sand using 40 mm dia 2.90 mm thick GI pipe 2.00 mtr long suitable in a pit the pit should be filled with equal proportion of salt and charcoal 150 mm around the pipe he complete Deeper ese.. complete as per Specification.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(21)	Rate · 1775 : 00 Supply and fixing LT cast iron pot heads suitable for 1.1 kV class 16 sq mm aluminium cable fixed on new bitumen/insulating compound complete with ferrules clamps bolts nuts and washers etc..					4 NOS	7100 :
	Rate · 284 : 00					4 NOS	
(22)	Supplying and fixing planished wood boarding not less than 15 mm thick planks on sloping roofs the same to be well jointed tapered ensures and screwed etc.. Size 20 x 20 x 2.5 inches.						11364

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498408

l No. .....

e of Work ..... From..... To.....

e of Contractor of nature of Agency .....

of commencement of work .....

e	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Rate. 325:10					4 NOS	1300:10
(3)	Borewell Cap and clamp &c.						
	Rate. 1881:10					4 NOS	7524:00
(4)	Supply and delivery of size brand New Texmo/Innovall/ Lubi/Saboor/Atlanta/Calamal/Waterman/Rajeha make suitable HP deep well submersible pump set suitable for vertical						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	installation in 100 dia bore well Comprising 7.5 HP Stage or multistage CI pump Close Coupled by means of Stainless Steel Coupling in Conjunction HP Service Shaft totally enclosed and fixed with pre-lubricated same case submersible induction motor suitable for operation of 3ph 50 M. 380 Volts AC supply with required accessories like starter, Service cabling suitable and Motor Shaft from an integral unit with all necessary fittings 17.50 HP 30 Stage.						
	Rate · 75371:00					4 Nos	

30/48h

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498409

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(23)	Providing laying and jointing CI Pipes conforming to IS Specification & approved make with sockets & spigots collars bends elbows tees with caps plugs with all threads using white lead and threads portions whenever necessary as per direction including all lead and yarn etc. complete A grade (excluding cost & services) .00 mm CI Pipe B class					1338.00 Mtr	
	Page. 433:10						579354:00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(26)	Supply and fixing Cocean gunmetal pipes 80 MM.					224 Nos	
	Rate. 188:00						42112:00
(27)	Supplying & Submersible pump Casse.						
Walton	Rate. 150:00					2920 Nos	438000:00
(28)	Supplying and delivery at site brand New/Essem/Genuine/Adarsh/AB Controls best indigenous make Consumer energy meter cum						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498410

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Work ..... From..... To.....

Contractor of nature of Agency .....

commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof unit shall have suitable for operation on 3 ph 50 Hz 380/440 volts AC supply with spring loaded latch locking with a key. Shall be provided inside the door canopy apron and locking handle shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3 ph 50 Hz 380/440 AC supply shall be considered etc.-complete Panel board shall be fabricated and unit in the above components						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Panel board for switchgear pumpset above upto 20 HP Non Auto Deep Sensor (KPJ).						
	Rate. 21945:00					4 NOS	8778:00 (31)
(29)	Supplying and delivery of 6mm copper cable						
	Rate. 1881:00					4 NOS	7524:00 (32)
(30)	Supplying and delivery of 6mm non return valve.						
	Rate. 1881:00					4 NOS	7524:00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 498411

No. .....
of Work ..... From..... To.....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Supplying and fixing MCB Rate. 940:00					4 Nos	3760:00
GI Pipe 40mm A class for Electrical Work Rate. 418:00					8 Mtr	3344:00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref to Measu &
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
33	Pot Head.					4 nos	
	Rate. 376:00						1504
34	Earth work Excavation for foundations & Sewer Water Supply Sanitary lines and electrical Conduit trenches in Pits or its trenches. 1-50 MTR and above in ordinary Soil not exceeding 1-00 MTR in depth including the bottom and sides of Pits and trenches including the excavated Soil clear from the edges of excavation & lead upto 50 MTR as per specifications						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498412

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

f commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
From Previous Page						
					72.00 M^3	23832:00
Page. 331:0						
Providing and installing of Size 63mm (0.662)						
pre Pipes of 6 kg/cm² including cost of Pipes and special						
nd Labour in ascending lowering into trenches laying true						
o line level and perfect jointing as joints leak proof including						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Jointing & approved type water tight flanged cast iron sluice valves including all charges handling charges including encasing the pipe all round to a depth not less than 15 cms with clean selected earth available from the excavation etc. complete. Rate. 412:00					160.00 Nos 65920:00	
36	Refilling available earth around pipe lines & cable in layers not exceeding 20 cms in depth compacting each deposited layer by ramming after watering complete etc to 50 mtr and lift upto 1.50 mtr including						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

498113

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

f commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Cost of all Labours Complete as per Specification.					72.00 M^3	
Rate. 134 : 00						9648 : 00
BESCOM Deposits charges.						
① Application charges.	3			× 100 : 00	:	300 : 00
② BESCOM Deposits charges				3 × 13710 : 00	:	41130 : 00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) Meter Charges.		3 x	2211	:00		6633 :00
				Total	Rs.		2894946 :0

13/11/2020
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಿ.ವಿ.ಐ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Certified

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿ.ವಿ.ಐ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

(1) Certified that the work done Satisfactory
(2) This bill Amounts has not been claimed in any of previous bill.

13/11/2020
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಿ.ವಿ.ಐ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿ.ವಿ.ಐ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ವಿ.ವಿ.ಐ.ಪಿ., ಬೆಂಗಳೂರು-24

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